

PATENT APPLICATION
Mo-5907D2
LeA 32,864D2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF)
FOLKER LIEB ET AL)
SERIAL NUMBER: TO BE ASSIGNED)
FILED: HEREWITH)
TITLE: ARYL PHENYL SUBSTITUTED)
CYCLIC KETOENOLS)

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. 1.97 AND 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement Pursuant to 37 C.F.R. Section 1.97 and 1.98 is being submitted before the first Office Action in order that the Patent and Trademark Office may consider the relevancy of certain information to the invention described and claimed in the subject application, and in compliance with the regulations concerning information disclosure statements.

As permitted by 37 C.F.R. 1.98(d)(1) and (2), Applicants are not supplying herewith copies of any patent, publication, pending U.S. application or other information listed on the accompanying Form PTO 1449.

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The present application is a Divisional application of U.S. Patent Application Serial Number 09/646,722, filed January 2, 2001, (the "Earlier Application(s)") which Earlier Application(s) is (are) relied upon for an earlier effective filing date under 35 U.S.C. Section 120. The Information cited on the accompanying Form PTO 1449 was cited in and copies thereof were provided with one or more Information Disclosure Statements and/or Forms PTO1449 filed in the Earlier Application(s).

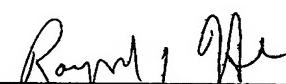
More particularly, this Information was cited and copies thereof were provided in the Earlier Application(s) by way of:

Form PTO 1449 filed August 14, 2001 in Serial Number 09/646,722.

Additional Information may have been cited in, and copies thereof may have been provided by the U.S.P.T.O. with, one or more Forms PTO 892 in the Earlier Application(s). Applicants request that such Information also be made of record in the case.

This Information Disclosure Statement should not be construed as a representation that a search has been made, that additional Information material to the examination of this application does not exist, that any document mentioned herein constitutes prior art, or that the documents listed severally or in any combination with one another or with any other information, are believed to render any claim in the subject application *prima facie* unpatentable.

Respectfully submitted,

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Patent and Trademark OfficeLIST OF PRIOR ART CITED BY APPLICANT
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To be assignedApplicant
Folker Lieb et alFiling Date
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Group

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	AA	4,104,043	08/01/78	(Bel. to corresp. to DE Durden, Jr. et al	2,361,084) 71	107	
	AB	4,175,135	11/20/79	Haines	424	311	
	AC	4,209,432	06/24/80	Roth	260	29.2 M	
	AD	4,209,532	06/24/80	(Bel. to corresp. to DE Wheeler	2,813,341) 424	331	
	AE	4,256,657	03/17/81	(Bel. to corresp. to DE Wheeler	2,813,341) 260	465 D	
	AF	4,256,658	03/17/81	(Bel. to corresp. to DE Wheeler	2,813,341) 260	465 D	
	AG	4,256,659	03/17/81	(Bel. to corresp. to DE Wheeler	2,813,341) 260	465 D	
	AH	4,257,858	03/24/81	(Bel. to corresp. to DE Wheeler	2,813,341) 204	158 R	
	AI	4,283,348	08/11/81	Wheeler	260	465 D	
	AJ	4,303,669	12/01/81	D'Silva	424	282	
	AK	4,338,122	07/06/82	Wheeler	71	122	

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							Yes	No*
	AL	*96/25395	08/22/96	World Patent				
	AM	*97/36868	10/09/97	World Patent				
	AN	*196 49 665	10/09/97	Germany				
	AO	*4,431,730	08/10/95	Germany				
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AR	*Chem. Pharm Bull., 15 (8), (month unavailable), 1967, Pages 1120-1122, Seikichi Suzuki, et al, "Studies on Antiviral Agents. N.* Biological Activity of Tenuazonic Acid Derivatives"
AS	Liebigs Ann. Chem. (month unavailable), 1985, Pages 1095-1098, Roland Schmieder et al, "Cyclisierung von N-Acylalanin- und N-Acylglycinestern"
AT	J. Chem. Soc. Perkin Trans. 1, (month unavailable), 1985, Pages 1567-1576, A. C. Campbell et al, "Synthesis of (E)- and (Z)-Pulvinones"

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,351,666	09/28/82	Koerwer	71	106	
	AB	4,409,153	10/11/83	Hodakowski	260	946	
	AC	4,422,870	12/27/83	(Bel. to corresp. to DE Wheeler	2,813,341) 71	106	
	AD	4,436,666	03/13/84	Wheeler	260	455 B	
	AE	4,526,723	07/02/85	Wheeler et al	260	410.5	
	AF	4,551,547	11/05/85	Wheeler	560	255	
	AG	*4,613,617	09/23/86	Sousa	514	521	
	AH	4,632,698	12/30/86	Wheeler	71	106	
	AI	4,659,372	04/21/87	(Bel. to corresp. to DE Wheeler	2,813,341) 71	106	
	AJ	4,925,868	05/15/90	(Bel. to corresp. to EP Terao et al	262,399) 514	425	
	AK	4,985,063	01/15/91	(Bel. to corresp. to EP Fischer et al	355,599) 71	88	

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							Yes	No*
	AL	*442,077	08/21/91	Europe				
	AM	*96/20196	07/04/96	World Patent				
	AN	*521,334	01/07/93	Europe				
	AO	*97/14667	04/24/97	World Patent				
	AP	2,220,440	11/14/96	Canada				

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AR	J. Heterocycl. Chem., 25 (5), Sept-Oct, 1988, Pages 1301-1305, G. Zvilichovsky, "Crystal Structure, Dissociation and Zwitterion Formation in 2,6-Diaryl-1(3)-oxo-3(1)-hydroxy-5(7)-imino-7(5)-amino-1H,5H-(3H,7H)-pyrazolo[1,2-a]pyrazoles"
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	AA	5,045,560	09/03/91	(Bel. to corresp. to EP Fischer et al	377,893) 514	425	
	AB	5,091,537	02/25/92	(Bel. to corresp. to EP Fischer et al	355,599) 546	226	
	AC	5,094,681	03/10/92	(Bel. to corresp. to DE Krämer et al	4,014,420) 71	88	
	AD	5,116,836	05/26/92	(Bel. to corresp. to EP Fischer et al	415,211) 514	224.2	
	AE	5,142,065	08/25/92	(Bel. to corresp. to EP Fischer et al	355,599) 548	533	
	AF	5,186,737	02/16/93	(Bel. to corresp. to EP Fischer et al	377,893) 504	283	
	AG	5,207,817	05/04/93	(Bel. to corresp. to DE Krämer et al	4,014,420) 504	299	
	AH	5,258,527	11/02/93	(Bel. to corresp. to EP Krauskopf et al	456,063) 548	543	
	AI	5,262,383	11/16/93	(Bel. to corresp. to EP Fischer et al	528,156) 504	195	
	AJ	5,332,720	07/26/94	(Bel. to corresp. to EP Krüger et al	508,126) 504	281	
	AK	5,358,924	10/25/94	(Bel. to corresp. to EP Krüger et al	508,126) 504	197	

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							Yes	No*
	AL	96/21652	07/18/96	World Patent				
	AM	96/36615	11/21/96	World Patent				
	AN	96/36229	11/21/96	World Patent				
	AO	96/02539	02/01/96	World Patent				
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	AR	Farmakol Toksikol (Moscow), 38 (2), (month unavailable), 1976, Pages 180-186, K. M. Lakin et al, "The Effect of Some Pyrazolone Derivatives on the Aggregation of Thrombocytes" (Abstract on page 186)
	AS	Arch. Pharm., 309, (month unavailable) 1976, Pages 558-564, A. M. Chirazi et al, "Zur Synthese von Kawalactonderivaten"
	AT	Chem. Ber., 91 (month unavailable) 1958, Page 249, K.-H. Boltze et al, "Ringschlüsse mit Malonsäure-dichloriden"

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	AA	5,393,729	02/28/95	(Bel. to corresp. to EP Fischer et al	588,137) 504	128	
	AB	5,462,913	10/31/95	(Bel. to corresp. to EP Fischer et al	596,298) 504	138	
	AC	5,494,890	02/27/96	(Bel. to corresp. to WO Cederbaum et al	92/16510) 504	281	
	AD	5,504,057	04/02/96	(Bel. to corresp. to EP Fischer et al	613,884) 504	283	
	AE	5,506,193	04/09/96	(Bel. to corresp. to WO Cederbaum et al	92/16510) 504	282	
	AF	5,565,450	10/15/96	(Bel. to corresp. to WO Fischer et al	94/14785) 514	227.2	
	AG	5,567,671	10/22/96	(Bel. to corresp. to EP Fischer et al	613,885) 504	283	
	AH	5,602,078	02/11/97	(Bel. to corresp. to EP Fischer et al	613,884) 504	283	
	AI	5,610,122	03/11/97	(Bel. to corresp. to EP Fischer et al	647,637) 504	251	
	AJ	5,622,917	04/22/97	(Bel. to corresp. to EP Fischer et al	668,267) 504	283	
	AK	5,661,110	08/26/97	(Bel. to corresp. to EP Krüger et al	508,126) 504	281	

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AS	Heterocycl. Chem., 10, April, 1973, Pages 223-224, Roger Ketcham et al, "Synthesis of Heterocycles. 174 (1,2) Substituted Thiazines and Bisthiazinyls from Dithioxoamide and Trichlorophenyl Malonates"	
AT	Tetrahedron, Vol. 48, No. 36 (month unavailable) 1992, Pages 7519-7526, J. Micklefield et al, "Alkylation and Acylation of 5-Phenylsulphonyl- and 5-Cyanobutyrolactones"	

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	AA	5,677,449	10/14/97	(Bel. to corresp. to EP Fischer et al	596,298) 544	165	
	AB	*5,719,310	02/17/98	Fischer et al	560	83	
	AC	5,739,389	04/14/98	(Bel. to corresp. to EP Krüger et al	508,126) 562	489	
	AD	5,780,394	07/14/98	(Bel. to corresp. to EP Krüger et al	508,126) 504	281	
	AE	5,808,135	09/15/98	(Bel. to corresp. to WO Fischer et al	96/03366) 560	129	
	AF	5,817,700	10/06/98	(Bel. to corresp. to WO Dube et al	97/36863) 514	768	
	AG	5,830,826	11/03/98	(Bel. to corresp. to WO Fischer et al	95/26954) 504	195	
	AH	5,840,661	11/24/98	(Bel. to corresp. to WO Fischer et al	96/01798) 504	348	
	AI	5,945,444	08/31/99	(Bel. to corresp. to WO Fischer et al	95/26345) 514	445	
	AJ	5,977,029	11/02/99	(Bel. to corresp. to WO Fischer et al	97/16436) 504	292	
	AK	5,994,274	11/30/99	(Bel. to corresp. to WO Fischer et al	97/02243) 504	282	

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AR	J. Chem. Soc. (C), (month unavailable), 1967, Pages 405-409, R. L. Edwards et al, "Constituents of the Higher Fungi. Part IV. Involutin, a Diphenylcyclopenteneone from <i>Pazillus involutus</i> (Oeder ex Fries)"	J. Economic Entomology, Vol. 66, No. 2(month unavailable), 1973, Pages 584-586, A. A. Sousa et al, "Esters of 3-Hydroxy-2-Arylindones, a New Class of Acaricide"	J. Org. Chem., Vol. 44, No. 26 (month unavailable), 1979, Pages 4906-4912, T. N. Wheeler, "Novel Photochemical Synthesis of 2-Aryl-1,3-cyclohexanedi ones"				
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	AA	6,057,352	05/02/00	(Bel. to corresp. to WO Brown et al	96/36616) 514	384	
	AB	6,096,895	08/01/00	(Bel. to corresp. to WO Brown et al	96/36633) 548	110	
	AC	6,110,872	08/29/00	(Bel. to corresp. to WO Lieb et al	97/01535) 504	284	
	AD	6,114,374	09/05/00	(Bel. to corresp. to WO Lieb et al	97/01535) 514	424	
	AE	6,150,304	11/21/00	(Bel. to corresp. to WO Fischer et al	96/01798) 504	309	
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